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TITLE: CONJUGATED FIBER FOR AIR BAG

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ABSTRACT:

PURPOSE: To obtain the subject conjugate fiber having sufficient strength and heat resistance and capable of being drawn in a high ratio on its production because of being the sheath-core structure fiber comprising nylon 6 and nylon 46 disposed in a suitable ratio.

CONSTITUTION: This conjugate fiber for the air bag is produced by

melt-spinning nylon 6 as a core component and nylon 46 as a sheath component, and has a core part/sheath part weight ratio of 50/50 to 80/20 and a single fineness of ≤ 6 denier. A web obtained by weaving or knitting the conjugate fibers has mechanical characteristics, heat resistance and fatigue resistance required for the air bag, is excellent in flexibility and can be stored in a compact size.

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